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METROPOLIS.—*Table showing the Mortality for the Year 1853, and in each Week of the Districts in which the Deaths occurred, the Temperature and Meteorology,*

[Extracted by permission from No. 184

DATE.	Weeks ending	SYMPTOTIC DISEASES.	CHOLERA.	SPORADIC DISEASES.																BIRTHS.		DEATHS.	
				1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	Males.	Females.	Males.	Females.
1853.																							
JANUARY	1	228	3	66	189	170	65	191	58	16	6	9	2	4	31	21	46	43	155	987	924	715	593
"	8	206	..	47	151	115	43	174	56	13	6	11	4	3	27	23	47	7	25	724	715	487	478
"	15	216	..	49	177	119	37	153	69	6	10	9	4	3	39	25	41	4	15	755	841	492	509
"	22	196	..	49	198	115	36	171	56	9	10	8	3	4	29	26	40	5	17	790	787	494	500
"	29	197	..	42	189	106	42	199	62	14	6	7	7	3	33	24	50	5	24	902	810	511	500
FEBRUARY	5	231	2	47	208	135	43	250	77	15	8	13	1	..	44	29	77	7	33	827	732	649	571
"	12	212	..	56	194	147	46	312	56	18	16	10	1	4	27	17	59	7	41	849	804	622	613
"	19	224	..	51	229	140	44	331	66	20	5	13	1	8	25	28	93	6	40	850	733	619	709
"	26	201	..	37	198	147	56	371	52	15	10	12	5	5	36	37	87	7	50	846	816	664	680
MARCH	5	244	1	59	216	160	60	388	58	13	12	8	3	4	34	33	82	10	35	861	810	733	694
"	12	244	..	44	231	154	57	391	68	26	13	10	8	4	25	36	57	7	51	892	924	740	696
"	19	229	..	50	189	152	59	332	72	11	3	8	3	6	26	28	57	8	37	855	812	652	622
"	26	233	1	43	217	145	55	322	71	12	13	4	3	5	29	39	45	10	53	752	728	687	634
APRIL	2	273	1	82	235	175	68	420	75	17	8	11	5	1	32	45	69	56	163	1005	904	861	887
"	9	253	1	51	244	158	47	326	66	16	9	11	2	3	29	40	56	6	21	791	800	705	635
"	16	219	1	57	230	135	51	251	69	8	4	10	1	4	37	28	51	3	45	853	826	686	557
"	23	218	1	50	211	137	54	242	74	17	14	11	1	6	22	39	43	4	22	812	768	612	570
"	30	227	1	46	222	117	50	206	60	11	9	6	1	2	20	34	47	3	24	852	770	537	552
MAY	7	217	..	64	203	125	50	224	80	8	9	3	3	7	37	35	35	11	42	816	755	600	559
"	14	235	..	45	212	115	49	199	70	16	7	10	..	2	32	43	37	..	23	870	806	594	505
"	21	239	..	50	226	121	34	174	71	9	1	13	1	3	25	26	22	11	41	791	776	610	488
"	28	229	..	38	235	155	45	162	61	15	9	7	2	4	19	36	22	9	53	782	779	574	554
JUNE	4	219	1	46	209	121	50	129	73	10	6	8	5	4	19	36	22	9	53	758	686	521	502
"	11	228	..	51	206	104	44	136	58	13	12	10	2	2	29	42	35	4	24	740	686	518	489
"	18	208	..	39	179	106	29	127	59	8	5	7	2	4	24	40	39	6	32	742	667	477	447
"	25	214	3	46	190	113	41	116	69	10	6	11	5	2	20	39	32	8	66	805	740	529	461
JULY	2	203	..	49	217	101	52	121	60	18	8	6	2	4	39	40	33	22	116	856	855	620	483
"	9	211	..	55	190	95	30	84	72	14	10	4	2	4	35	29	36	4	37	709	735	478	447
"	16	225	3	42	209	91	31	87	58	16	5	6	1	1	31	33	35	4	22	716	651	457	447
"	23	226	6	47	226	94	38	102	70	10	11	4	2	2	22	30	20	6	36	819	741	504	467
"	30	270	9	32	203	128	38	79	59	13	16	8	2	1	34	30	38	5	48	769	752	520	484
AUGUST	6	279	4	40	192	119	27	97	71	16	6	9	1	2	32	41	22	4	23	769	779	519	472
"	13	320	19	38	196	89	29	77	44	22	5	8	3	2	21	51	23	4	39	709	752	534	450
"	20	293	10	51	194	110	41	93	69	10	9	6	6	6	26	47	45	4	22	775	743	533	520
"	27	277	18	55	189	105	34	99	60	18	10	5	1	6	31	49	38	1	28	803	683	514	507
SEPTEMBER	3	315	16	47	171	115	41	86	62	14	4	9	1	1	29	31	39	3	52	805	777	518	511
"	10	297	7	45	177	130	35	94	68	21	10	3	3	4	36	33	30	3	18	843	826	519	496
"	17	252	16	37	170	104	35	104	58	15	10	8	1	2	31	29	28	13	42	816	690	479	470
"	24	288	29	37	161	92	34	123	64	10	9	4	1	5	29	40	42	3	25	824	795	468	501
OCTOBER	1	306	48	49	173	147	43	112	47	16	6	8	2	4	31	28	39	31	160	824	800	685	527
"	8	324	66	51	155	106	31	136	55	20	3	4	1	1	16	46	33	2	9	727	648	505	496
"	15	291	45	50	173	98	39	150	61	17	10	8	4	5	24	34	40	7	23	812	761	505	534
"	22	306	83	44	153	110	39	165	68	11	10	5	2	3	28	39	30	6	32	743	720	536	518
"	29	344	96	45	169	108	34	200	52	12	8	7	..	5	38	35	36	5	31	817	800	592	552
NOVEMBER	5	331	102	46	176	112	38	158	59	10	4	5	3	2	30	38	43	5	29	847	811	584	528
"	12	349	98	47	196	128	36	189	62	12	13	11	2	7	25	31	33	5	44	866	748	617	575
"	19	321	72	52	184	126	44	180	63	13	12	11	2	3	30	32	42	1	38	814	747	606	556
"	26	311	46	50	215	155	59	297	51	12	8	6	3	3	42	35	50	7	27	777	665	634	705
DECEMBER	3	301	28	46	222	131	59	379	71	17	8	8	1	3	42	24	70	5	22	840	837	718	696
"	10	277	13	50	208	123	52	343	49	12	12	8	3	5	26	30	56	6	29	838	790	654	654
"	17	268	11	52	198	151	47	319	65	22	6	8	3	1	51	29	70	12	34	771	786	723	635
"	24	230	10	60	202	131	45	316	67	13	11	10	..	4	36	31	68	21	91	800	745	742	657
"	31	297	10	65	202	186	63	347	58	13	7	7	1	6	35	45	77	54	159	791	775	861	795
Total, 1853 (53 weeks)		13562	881	2587	10509	6672	2349	10831	3349	743	448	426	124	189	1611	1805	2428	497	2401	42987	40891	31514	29688
Total, 1852 (52 weeks)		12104	162	2361	9815	6001	2156	8135	3235	657	473	446	130	197	1572	1336	2315	431	2140	41038	39446	27853	26360

The figures heading the *Sporadic Diseases*, signify as follow:—1. Dropsy.—2. Tubercular Diseases.—
—5. Diseases of the Lungs and of the other Organs of Respiration.—6. Diseases of the Stomach, Liver, and
9. Rheumatism, Diseases of the Bones, Joints, etc.—10. Diseases of the Skin, Cellular Tissue, etc.—
16. Violence, Privation, Cold, and Intemperance.

Year, the several Diseases, Births, and Deaths of Males and Females, Age at Death, the and the Increase of Population. Compiled by MR. B. SMITH.

of the Medical Times and Gazette.]

TOTAL BIRTHS.	TOTAL DEATHS.	BIRTHS OVER DEATHS.	AGES AT DEATH.			DISTRICTS.					Mean Height of BAROMETER.	THERMO-METER.		Difference between the Temperature of the Week & the same Week on an average of 7 Years.	General Direction of the Wind.	Amount of Horizontal Movement of the Air.	Rain in Inches.
			0 to 15.	15 to 40.	60 and upwards.	West.	North.	Central.	East.	South.		Dry.	Dew Point.				
1911	1308	603	568	470	268	171	240	220	335	342	Inchs.						
1439	965	474	432	319	209	140	188	164	208	265	29.643	47.5	38.6	+	10.1	S.W.	1545 0.43
1596	1001	595	477	314	188	143	192	169	202	295	29.485	45.3	39.5	+	9.7	S.W.	970 0.71
1577	994	583	446	327	199	156	191	172	209	266	29.443	45.0	38.0	+	9.6	S.W.	1300 0.45
1712	1011	701	451	324	235	149	209	190	219	244	29.468	41.9	35.4	+	5.4	N.W. & S.W.	840 0.59
1559	1220	339	550	391	278	193	244	195	296	292	29.750	37.7	31.8	+	0.5	N.E.	320 0.007
1653	1235	418	479	452	293	209	260	205	249	312	29.782	36.5	31.5	—	1.3	Calm.	270 0.20
1581	1328	553	534	424	370	207	272	222	275	352	29.225	34.8	29.2	—	3.6	S.E. & N.N.E.	620 0.06
1602	1344	318	541	427	359	220	264	230	287	343	29.585	29.8	22.9	—	9.1	N.	540 0.33
1671	1427	244	573	460	379	199	272	257	334	365	29.579	33.8	27.0	—	5.7	N.	895 0.39
1816	1436	380	600	466	369	214	266	292	324	340	29.663	35.3	29.2	—	4.6	Variable.	385 0.68
1607	1274	393	588	394	291	159	286	243	288	298	29.926	44.6	38.7	+	4.4	Calm.	345 0.17
1480	1321	159	598	420	284	194	259	248	259	361	29.685	36.6	30.1	—	5.0	N.E.	450 0.51
1909	1748	161	719	595	419	246	331	325	402	444	29.762	33.3	26.6	—	9.0	N.E.	315 0.10
1591	1340	251	621	411	307	190	227	259	300	364	29.733	43.4	32.8	+	0.1	Variable.	780 0.44
1679	1243	436	538	419	247	181	256	221	262	323	29.742	47.3	40.1	+	3.0	W.	160 0.44
1580	1182	398	540	385	243	179	234	184	270	315	29.943	44.4	35.6	—	1.1	N.E. & N.W.	545 0.02
1622	1089	533	507	357	223	157	216	161	235	320	29.694	45.9	39.5	—	1.1	Variable.	765 0.90
1571	1159	421	561	355	239	162	215	214	283	285	29.571	42.5	37.4	—	6.7	Variable.	680 1.32
1676	1099	577	546	348	204	149	218	190	237	305	29.773	47.9	43.4	—	3.8	E.S.E. & N.E.	675 0.84
1567	1098	469	504	383	195	162	184	201	331	320	29.760	55.2	45.5	+	2.1	N.E.	795 0.37
1561	1128	433	505	372	220	169	226	147	255	331	29.760	55.2	45.5	+	2.1	N.E.	605 3.00
1444	1023	421	465	354	198	158	225	137	201	302	29.696	59.7	48.8	+	4.7	N.E.	575 0.13
1508	1007	501	453	300	189	166	198	154	212	277	29.880	51.8	45.5	—	4.8	N.	620 0.42
1409	924	485	440	303	174	136	195	143	203	247	29.806	60.8	49.0	+	2.9	S.W. & S.E.	320 0.24
1545	990	555	487	326	176	179	173	176	207	255	29.798	58.3	51.2	—	1.0	N. & S.W.	655 1.30
1711	1103	608	477	389	221	134	205	170	286	308	29.597	57.4	49.7	—	3.1	Variable.	690 0.55
1444	925	519	425	305	185	129	193	157	207	239	29.578	59.1	50.9	—	2.4	S.W.	1310 0.89
1367	904	463	473	286	141	128	161	155	198	262	29.883	64.1	56.1	+	1.9	S.W. & S.E.	810 0.88
1560	971	589	468	324	156	177	175	158	209	252	29.578	58.7	50.1	—	3.3	S.W.	890 3.14
1521	1004	517	474	342	186	132	207	182	210	273	29.745	59.6	51.8	—	2.2	S.W.	710 0.29
1548	991	557	511	289	181	141	213	151	219	267	29.696	60.3	52.5	—	1.8	S.W.	800 1.39
1461	984	477	518	283	172	163	184	156	197	284	29.876	61.6	51.4	—	0.5	S.W. & Calm.	300 0.01
1518	1053	465	530	319	204	140	231	165	217	300	30.072	61.2	52.7	—	0.6	...	155 0.00
1486	1021	465	518	315	187	164	197	213	196	251	29.736	60.4	54.2	—	0.6	N. & S.W.	370 0.59
1582	1029	553	520	317	191	148	199	188	228	266	29.543	58.6	53.0	—	1.5	S.W. & N.	785 1.50
1669	1015	654	521	323	163	146	229	137	201	302	29.732	55.7	50.0	—	3.3	S.W.	768 1.03
1506	949	557	453	316	174	128	173	148	235	265	29.967	56.1	51.2	—	1.8	N.	420 0.22
1619	969	650	485	299	185	122	180	141	242	284	29.887	57.6	52.5	+	0.7	...	355 0.57
1624	1212	412	547	423	235	151	224	171	301	365	29.826	54.6	49.2	—	0.8	W.	625 0.19
1375	1001	374	489	335	173	146	189	154	205	307	29.636	52.4	47.1	—	1.6	S.W.	890 0.69
1573	1039	534	511	342	184	147	192	171	233	296	29.514	48.6	45.0	—	4.0	Variable.	355 1.03
1463	1054	409	531	332	187	142	197	151	263	301	29.587	52.0	49.8	—	1.2	Calm. & N.E.	205 0.94
1617	1144	473	579	382	170	168	215	159	267	335	29.357	48.6	45.9	—	0.7	S.W.	865 1.10
1658	1112	546	552	361	176	146	213	174	229	350	29.690	55.5	51.5	+	7.7	...	670 1.46
1614	1192	422	617	387	187	185	221	153	291	342	29.833	48.9	45.8	+	2.8	S.E.	625 0.03
1561	1162	399	609	339	214	168	228	158	278	330	30.155	45.7	43.3	+	1.2	Calm.	265 0.06
1442	1339	103	652	409	278	195	220	199	315	410	29.723	38.5	36.2	—	4.3	Calm. Variab.	280 0.13
1677	1414	263	620	481	306	193	306	221	319	375	29.998	36.7	35.8	—	5.1	Calm.	280 1.25
1628	1308	320	579	418	296	196	237	210	304	361	29.954	40.0	38.7	—	1.7	...	380 0.05
1557	1358	199	638	388	311	202	250	205	328	373	30.001	39.8	38.0	—	0.5	...	230 0.13
1545	1399	146	595	477	326	229	221	249	306	394	29.512	32.7	29.4	—	7.3	N.E.	525 0.12
1566	1656	-90	700	539	387	229	318	266	420	423	29.748	33.1	30.6	—	5.6	N.E.	425 0.10
											29.835	29.0	24.7	—	8.4	...	220 0.16
83878	61202	22676	28305	19976	12532	8937	11819	10081	13687	16678							
80484	54213	26271	25659	17783	10496	8295	10670	9324	11449	14475							

3. Diseases of the Brain, Spinal Marrow, Nerves, and Senses.—4. Diseases of the Heart and Blood-vessels, other Organs of Digestion.—7. Diseases of the Kidneys, etc.—8. Childbirth, Diseases of the Uterus, etc.—11. Malformations.—12. Premature Birth and Debility.—13. Atrophy.—14. Age.—15. Sudden.—

Comparative Losses of Life from War and Pestilence.—The following statement is made up from official returns for the use of the General Board of Health. We insert it as affording useful information to Offices, at the present epoch.

DEATHS BY WAR.

Official returns of the number of persons killed and wounded, both in the army and navy, in 22 years of war:—

Killed	19,796
Annual average—Army	733
Navy	166
Total annual average	—899
Wounded	79,709
Annual average—Army	3,151
Navy	472
Total annual average	—3,623

Losses in particular battles:—

	Killed.	Wounded.
Waterloo (total British killed on the field)	1,771	5,892
Salamanca	388	2,714
Vittoria	501	2,807
Talavera	670	3,406
Lord Howe's victory	287	806
Trafalgar	449	1,214
Nile	218	677
Copenhagen	254	689
Barossa	202	1,040

Sir Richard Henegan, formerly head of the field train department of the allied armies under the command of the Duke of Wellington, states, in a work narrating his military experience during seven years' campaigns throughout the Peninsular war—"Allowing half the shots served out to have been fired at the battle of Vittoria, 3,675,000 rounds were fired against the enemy, of whom 8,000 were killed or wounded; consequently only one musket-shot out of 459 took effect; and this calculation excludes the injury inflicted on the enemy by 90 pieces of artillery, which on the average fired 73 rounds of shot and shell each, making a total of 6,870 rounds. The cavalry were but slightly engaged during that day." At every battle in the Peninsula, except Barossa, the author remarked the same undue expenditure of ammunition in relation to the small extent of damage.

The official returns show that during the last 41 months of the Peninsular war, whilst 24,930 privates died of disease, only 8,999 died of wounds or were killed in battle. The deaths during the campaign were—of the privates in battle, 42 per cent.; of disease, 11·9 per cent.; of officers in battle, 6·6 per cent.; of disease, 3·7 per cent., per annum. The average deaths in four battles, Talavera, Salamanca, Vittoria, and Waterloo, were 3·9 per cent. of officers, 2·11 of privates.

In the Peninsular war there were generally 22½ per cent. of men absent on account of sickness; and a reduction of the proportions of sick to 6 per cent., would have set free 10,000 men from the hospitals to be added to the effective force of the army.

The highest increased charge for insurance of military men during the Peninsular campaigns was 10 guineas per cent. The extra premiums taken on the insurance of military lives in service in India and China are from three to five guineas per cent.; governed, however, by the unfavourable chances of the climate to which the campaign leads, as well as by the increased risks from battle.

The extra premiums on naval officers in hostile service is usually from three to five guineas per cent., governed by the consideration of the climate.

DEATHS BY PESTILENCE.

The total number of persons killed by cholera and epidemic diarrhœa in 1848 and 1849, in England and Wales, was 72,180. Of these, 34,397 were able-bodied persons, and of an age to get their own living, being between the ages of 15 and 60. But it is known that there was much omission and falsification of returns, and that these amounts are under-statements of the fatality of the disease.

The number of attacks from cholera is estimated at 2 attacks to 1 death; the number of the former would therefore be 144,360. Of these, so many are permanently reduced in strength as to be made more susceptible to the prevalent causes of disease, as to be subjected to premature deaths—equivalent to the premature deaths and wounded in battle.

The average annual deaths from preventible (*i. e.*, typhus and other zymotic) diseases, from which well managed public establishments and improved dwellings are kept clear, were 115,000.

The annual deaths from other causes, eventually preventible in civil life—*viz.*, those by violence, by improvement in the education and industrial training of manual labourers, rendering them more discreet by improvement in the arts; rendering processes and engines more safe; and by moral, religious, and physical training of intellectual labourers less liable to mental aberrations and to suicide—these deaths are from year to year nearly as they were returned in 1849, *viz.* :—

Fractures	4,170
Burns and scalds	2,761
Drowning	2,433
Hanging and suffocation	1,069
Wounds	542
Poison	444
	<hr/>
	11,419

or more than eleven times as many as the average loss of life in battle.

Losses from cholera and diarrhœa in particular districts, 1848, 1849 :—

Metropolis, 1848 and 1849—	
Cholera	14,139
Diarrhœa	3,849
	<hr/>
Total	17,988
Of these 8,903 were able-bodied persons.	
Newcastle, 1853.—Cholera	1,543
Gateshead, ditto	560
	<hr/>
Total	2,103

On the medical inspectors being sent from the General Board of Health to make preparations in the West Indies against the threatened visitation of the Asiatic cholera, application was made for insurances, but none could be obtained from any respectable Office in London under less than 12 per cent. on the amount insured. Of the three, one was so reduced by the climate that he died immediately on his return, and another had a dangerous attack of yellow fever.

Of the medical men engaged in the actual visitation and treatment of the severe epidemics, as many as 12 per cent. have died. In some instances as many as 20 per cent. have been killed.

The Secretary of the London City Mission Society states, that though the missionaries have many of them previously been born and bred in poor districts, and accustomed to hard and trying labour, a considerable number of them are continually laid aside, and very many who promised best have to give up altogether in a few years. Indeed, very few of them, with all these advantages, can stand many years' work on the really bad districts of London, although 36 hours' visiting each week is all which is required of them.

We sustain as much loss of life and health in prosecuting missionary work in London, as those societies do the object of which is to send missionaries to foreign parts, many of which are notoriously unhealthy. This is a reproach to the metropolis of our country. There are some districts respecting which we almost feel sometimes a question whether we ought to expose the health and life of men by placing them on them; and there are other districts on which missionary after missionary has broke down, when located there; while even in a large number of our districts, the energy, strength, and vigour of our missionaries become impaired by their constant exposure to impure air.

The widowhood and orphanage from pestilence, inasmuch as there is always a large proportion of married adults attacked, are immeasurably greater in proportion to the gross number killed than in war. In 1842, on an enumeration, it appeared that there were 27,000 cases of premature widowhood, and upwards of 100,000 orphans then chargeable to the poor rates, from preventible causes. In the returns from 12 Unions, where there had been 11,170 deaths from cholera, it was found that there were 3,567 widows and orphans chargeable to the epidemic cholera of 1848-49; and an expenditure, for only four years' relief, of £121,000. In the same proportion for the whole of the 72,000 deaths, the total number of widows of the class falling into destitution would be 23,000, and the four years' charge of them £780,000.

The total expense of funerals is estimated at £500,000, and the total private as well as public expenses of that one epidemic at not less than two millions, notwithstanding extensive checks and mitigations.

Taking as the test of the obtainable rate of mortality the rate obtained in good old dwellings improved by self cleansing drainage works, as well as by improved supplies of water—as well as in the new model dwellings (namely, 13 in 1000, the common average of the whole kingdom being 23 in 1000)—the total annual losses from preventible disease, from lost labour by premature death, and excessive and premature sickness, and the expense of excessive numbers of funerals, is under-estimated at 12 millions per annum, or about the total annual charge of the entire army and navy.

REVIEWS OF NEW WORKS.

Twelfth Annual Report of the Registrar General of Births, Deaths, and Marriages, in England.

THE Reports made to the Government from time to time by the above-named officer, contain, as is well known, matter of the highest public interest and importance, and would be invaluable for many purposes, were they unaccompanied with any extraneous information. But they are rendered of still greater value by the letters appended to them from Mr. Farr, whose labours as a statistician and, as we believe we may say, an amateur actuary, are now familiar to the public. The present Report has one of these letters, touching upon almost every question connected with the rates of mortality, sickness, and interest of money—the calculations founded upon them—the constitution and management of Assurance Societies—the adaptation of life and health assurance to the wants of the poorer classes—the nature of deposit assurance—and, in short, the whole subject, briefly, it is true, but in its widest comprehensiveness.

The letter commences with observations on life tables, and a comparison of the principal ones with those formed by Mr. Farr. The defects of the Northampton Table are pointed out; and in reference to them Mr. Farr says—